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Optical article having reflection reducing performance - composed of inorganic silicon oxide film formed on synthetic resin substrate

Patent Assignee: SEIKO EPSON CORP (SHIH )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 6082603	A	19940325	JP 9316505	A	19930203	G02B-001/10	199417 B

Priority Applications (No Type Date): JP 9316505 A 19930203

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 6082603	A		5			

Abstract (Basic): JP 6082603 A

A surface on a synthetic resin substrate is provided with a single or multiple layer antireflection film composed of inorganic substance of SiO<sub>2</sub>, obtd. by reacting terminal silanol organic silane cpd. having gas hydrophobic radical in vacuum or air on the surface.

An optical article with a reflection reducing performance is a synthetic resin lens or hard coated synthetic resin lens for glasses.

USE/ADVANTAGE - The reaction of silane cpd. changes optical article surface properties, and also optical article characteristics substantially. A hydrophobic property on the surface weakens the integrity on the optical article surface with water and impurities in water, preventing yellowing phenomena.

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Title Terms: OPTICAL; ARTICLE; REFLECT; REDUCE; PERFORMANCE; COMPOSE; INORGANIC; SILICON; OXIDE; FILM; FORMING; SYNTHETIC; RESIN; SUBSTRATE

Derwent Class: A89; P81

International Patent Class (Main): G02B-001/10

File Segment: CPI; EngPI

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